



PROJECT \_\_\_\_\_

CATALOG # \_\_\_\_\_

TYPE \_\_\_\_\_

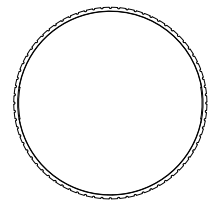
NOTES \_\_\_\_\_

## BEAM ANGLE Lenses

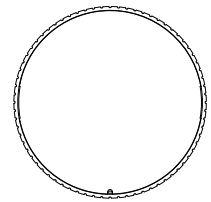
Interchangeable optic lenses provide flexibility in the field. Lenses are available in 1 LED, 3 LED, and 6/9 LED sizes.

### Quick Facts

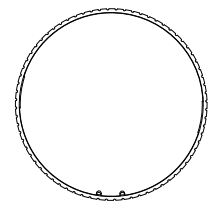
- Toolless installation with twist-and-lock feature
- Compatible with FX Luminaire integrated LED fixtures
- Available in 3 beam angles: 20°, 35°, 60°
- Sizes compatible with FX Luminaire 1 LED, 3 LED, and 6/9 LED boards
- Spot lens pre-installed on all fixtures



Spot Lens, 20°



Flood Lens, 35°



Wide Flood Lens, 60°

# BEAM ANGLE Lenses SPECIFICATIONS

Lens Options	Degree	1LED	3LED	6/9LED	ZDC-M	ZDC-L
<b>SPOT*</b>	20°	770600	771300	771600	-	-
<b>FLOOD</b> <i>(1 notch)</i>	35°	1LEDFLENS	3LEDFLENS	9LEDFLENS	3LEDFLENS	9LEDFLENS
<b>WIDE FLOOD</b> <i>(2 notches)</i>	60°	1LEDWFLENS	3LEDWFLENS	9LEDWFLENS	-	-

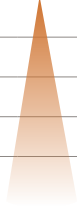
*\*Diffuser (18°) ships preassembled in most fixtures*

Model Number	Description
<b>1LEDFLENS</b>	1 LED Flood Lene, 35°
<b>1LEDWFLENS</b>	1 LED Wide Flood Lens, 60°
<b>3LEDFLENS</b>	3 LED Flood Lens, 35°
<b>3LEDWFLENS</b>	3 LED Wide Flood Lens, 60°
<b>9LEDFLENS</b>	6 and 9 LED Flood Lens, 35°
<b>9LEDWFLENS</b>	6 and 9 LED Wide Flood Lens, 60°

# BEAM ANGLE Lenses PHOTOMETRICS

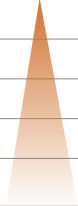
*SPOT* 1LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		20°
4' (1.2 m)	29.2 fc (314 lx)	1.2' (0.4 m)
8' (2.4 m)	7.3 fc (79 lx)	2.4' (0.7 m)
12' (3.7 m)	3.2 fc (35 lx)	3.7' (1.1 m)
16' (4.9 m)	1.8 fc (19 lx)	4.9' (1.5 m)
20' (6.1 m)	1.2 fc (13 lx)	6.1' (1.9 m)



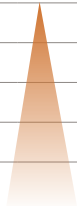
*SPOT* 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		20°
4' (1.2 m)	77.3 fc (832 lx)	1.2' (0.4 m)
8' (2.4 m)	19.3 fc (208 lx)	2.5' (0.8 m)
12' (3.7 m)	8.6 fc (93 lx)	3.7' (1.1 m)
16' (4.9 m)	4.8 fc (52 lx)	4.9' (1.5 m)
20' (6.1 m)	3.1 fc (33 lx)	6.1' (1.9 m)



*SPOT* 9LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		20°
4' (1.2 m)	188.8 fc (2,032 lx)	1.3' (0.4 m)
8' (2.4 m)	47.2 fc (508 lx)	2.5' (0.8 m)
12' (3.7 m)	21.0 fc (226 lx)	3.8' (1.2 m)
16' (4.9 m)	4.8 fc (52 lx)	5.0' (1.5 m)
20' (6.1 m)	1.8 fc (19 lx)	6.3' (1.9 m)




*SPOT* 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		20°
4' (1.2 m)	77.3 fc (832 lx)	1.2' (0.4 m)
8' (2.4 m)	19.3 fc (208 lx)	2.5' (0.8 m)
12' (3.7 m)	8.6 fc (93 lx)	3.7' (1.1 m)
16' (4.9 m)	4.8 fc (52 lx)	4.9' (1.5 m)
20' (6.1 m)	3.1 fc (33 lx)	6.1' (1.9 m)




*FLOOD* 1LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		35°
4' (1.2 m)	9.3 fc (100 lx)	2.3' (0.7 m)
8' (2.4 m)	2.3 fc (25 lx)	4.5' (1.4 m)
12' (3.7 m)	1.0 fc (11 lx)	6.8' (2.1 m)
16' (4.9 m)	0.6 fc (6 lx)	9.1' (2.8 m)
20' (6.1 m)	0.4 fc (4 lx)	11.4' (3.5 m)




*FLOOD* 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		35°
4' (1.2 m)	27.0 fc (291 lx)	2.2' (0.7 m)
8' (2.4 m)	6.7 fc (72 lx)	4.5' (1.4 m)
12' (3.7 m)	3.0 fc (32 lx)	6.7' (2.0 m)
16' (4.9 m)	1.7 fc (18 lx)	8.9' (2.7 m)
20' (6.1 m)	1.1 fc (12 lx)	11.2' (3.4 m)



*FLOOD* 9LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		35°
4' (1.2 m)	68.1 fc (733 lx)	2.3' (0.7 m)
8' (2.4 m)	17.0 fc (183 lx)	4.5' (1.4 m)
12' (3.7 m)	7.6 fc (82 lx)	6.8' (2.1 m)
16' (4.9 m)	4.3 fc (46 lx)	9.0' (2.7 m)
20' (6.1 m)	2.7 fc (29 lx)	11.3' (3.4 m)



Actual photometrics vary depending on the selected fixture.

# BEAM ANGLE Lenses PHOTOMETRICS

## WIDE FLOOD 1LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		60°
4' (1.2 m)	4.2 fc (45 lx)	4.2' (1.3 m)
8' (2.4 m)	1.0 fc (11 lx)	8.4' (2.6 m)
12' (3.7 m)	0.5 fc (5 lx)	12.7' (3.9 m)
16' (4.9 m)	0.3 fc (3 lx)	16.9' (5.2 m)
20' (6.1 m)	0.2 fc (2 lx)	21.1' (6.4 m)

## WIDE FLOOD 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		60°
4' (1.2 m)	11.7 fc (126 lx)	4.3' (1.3 m)
8' (2.4 m)	2.9 fc (31 lx)	8.6' (2.6 m)
12' (3.7 m)	1.3 fc (14 lx)	12.9' (3.9 m)
16' (4.9 m)	0.7 fc (8 lx)	17.2' (5.2 m)
20' (6.1 m)	0.5 fc (5 lx)	21.6' (6.6 m)

## WIDE FLOOD 9LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
		60°
4' (1.2 m)	33.5 fc (361 lx)	4.4' (1.3 m)
8' (2.4 m)	8.4 fc (90 lx)	8.9' (2.7 m)
12' (3.7 m)	3.7 fc (40 lx)	13.3' (4.1 m)
16' (4.9 m)	2.1 fc (23 lx)	17.7' (5.4 m)
20' (6.1 m)	1.3 fc (14 lx)	22.1' (6.7 m)

Actual photometrics vary depending on the selected fixture.

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